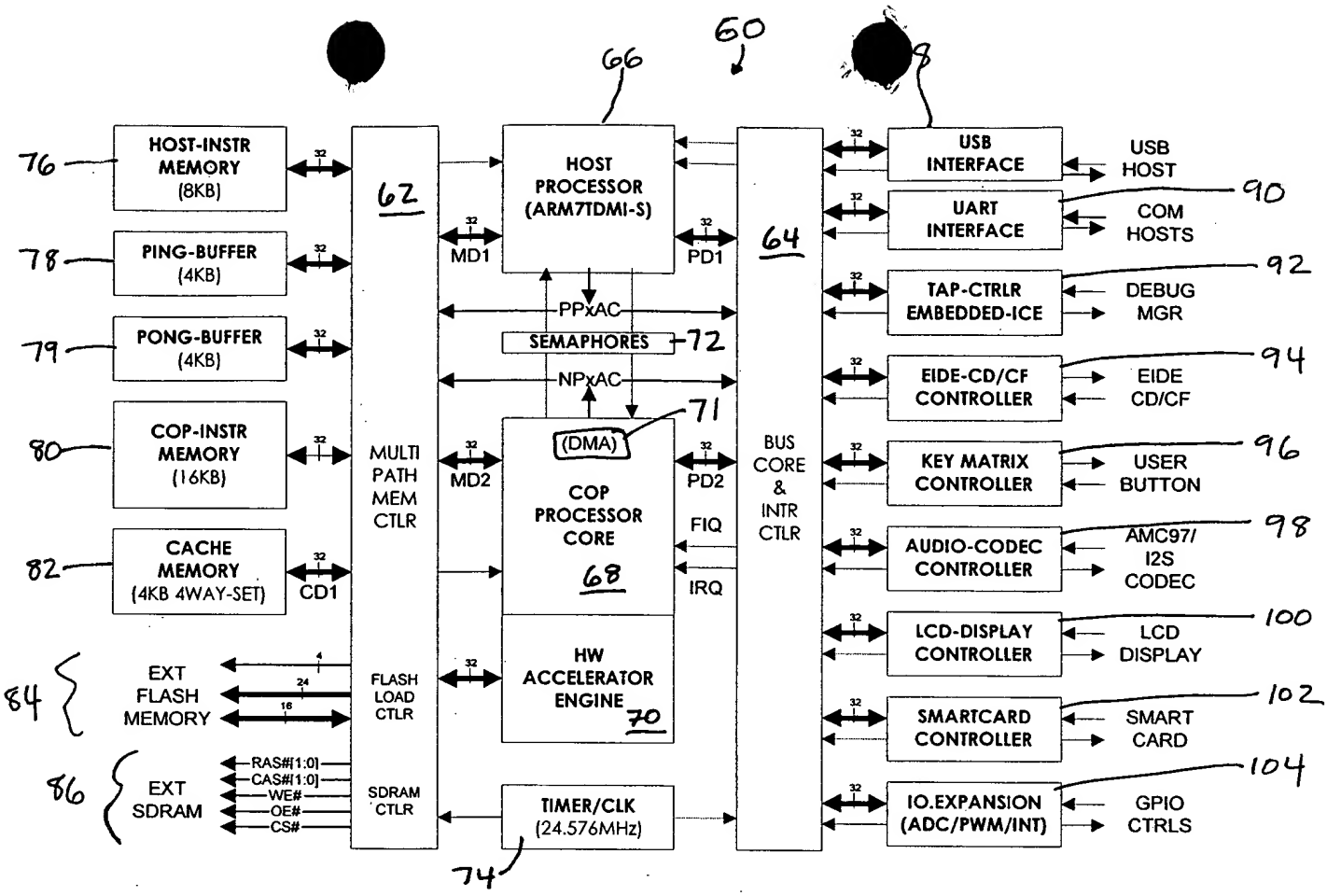

FIGURE 1

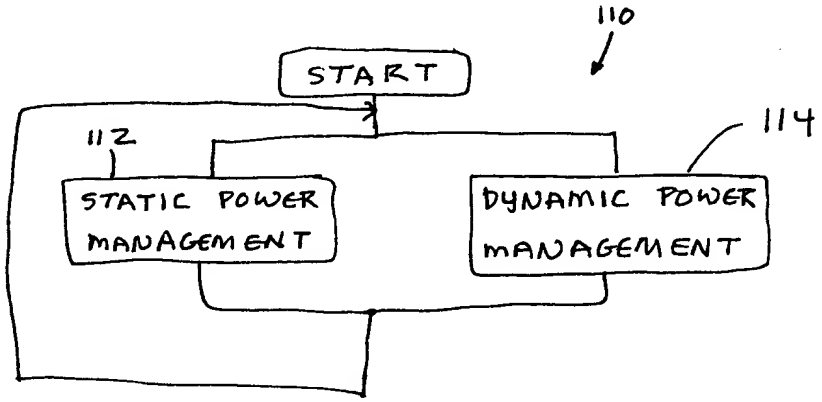

FIGURE 2

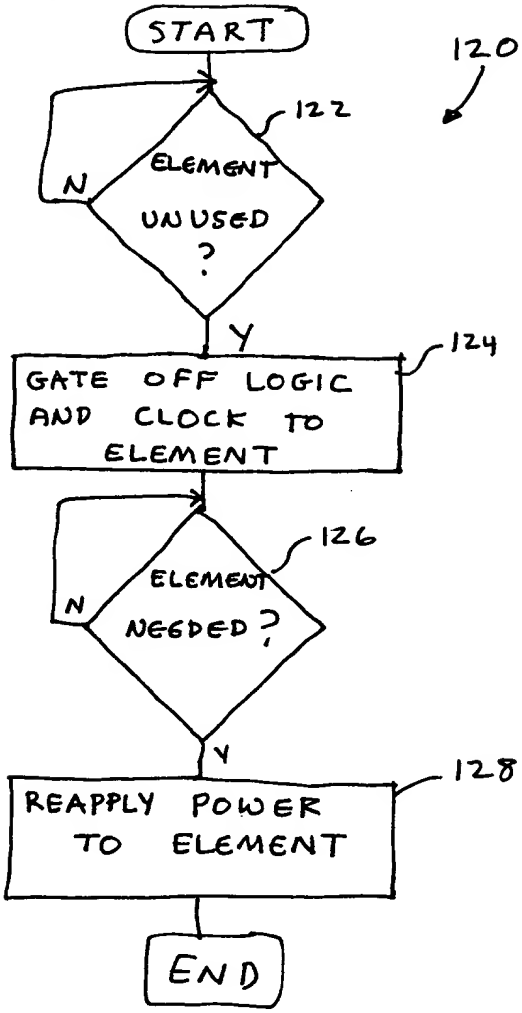

FIGURE 3

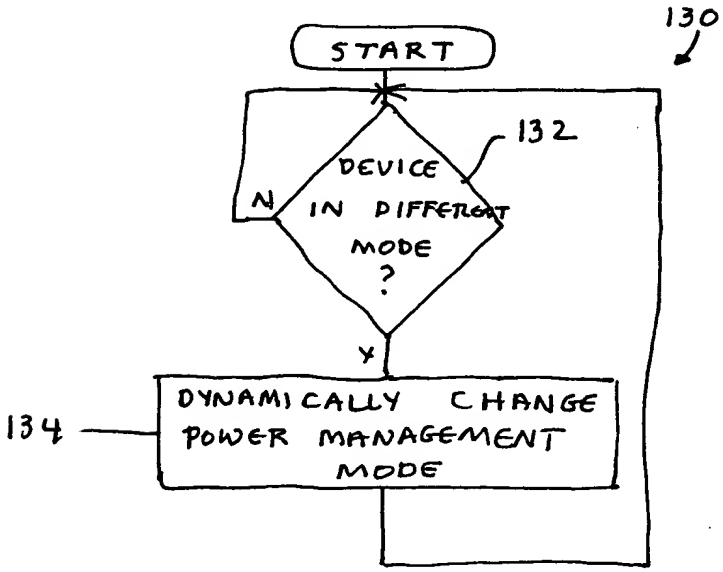

FIGURE 4

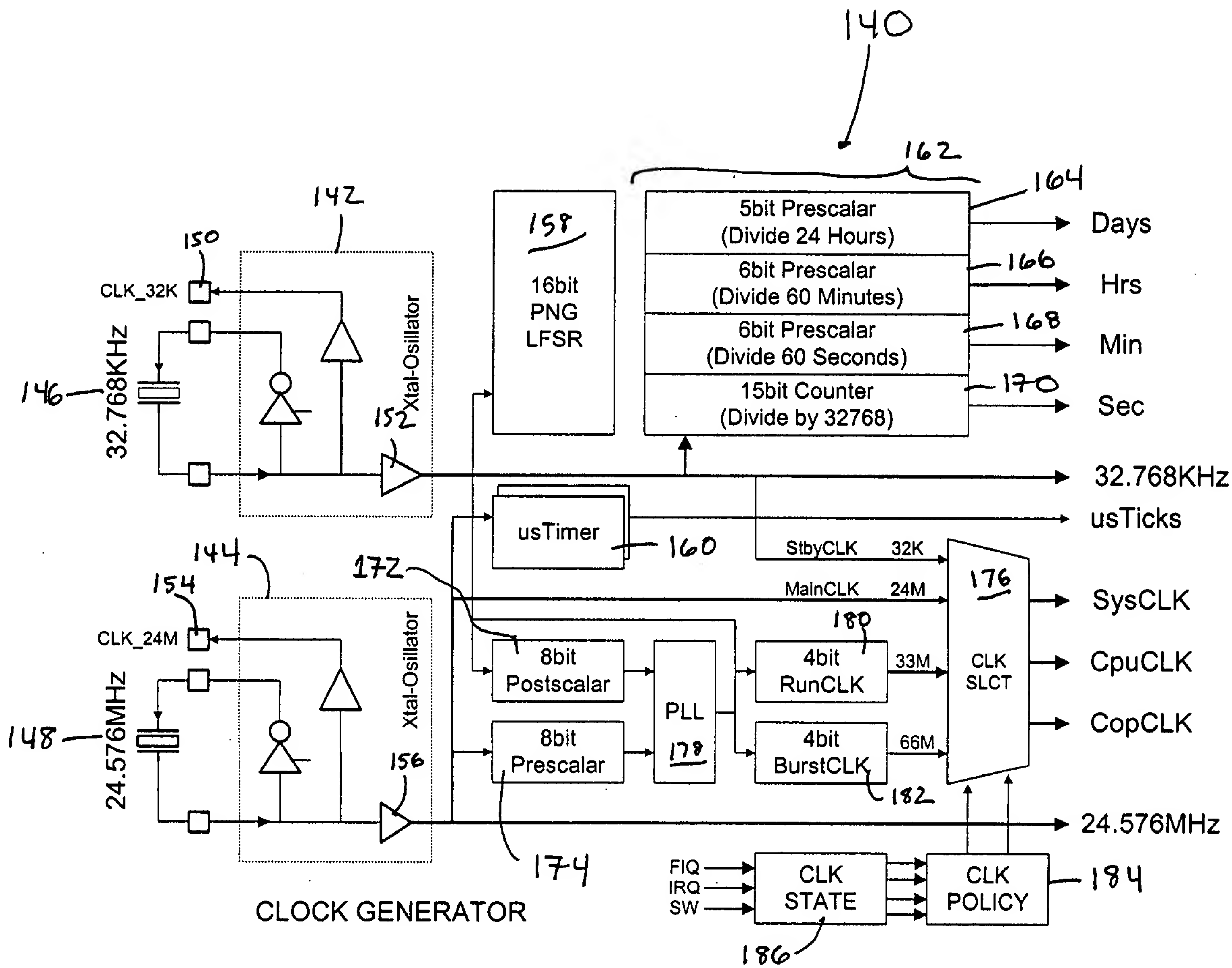
140
162
164
166
168
170
142
150
CLK_32K
146
32.768KHz
152
Xtal-Osillator
158
16bit
PNG
LFSR
5bit Prescalar
(Divide 24 Hours)
6bit Prescalar
(Divide 60 Minutes)
6bit Prescalar
(Divide 60 Seconds)
15bit Counter
(Divide by 32768)
Days
Hrs
Min
Sec
32.768KHz
usTimer
160
usTicks
StbyCLK
32K
MainCLK
24M
176
CLK
SLCT
SysCLK
CpuCLK
CopCLK
144
154
CLK_24M
148
24.576MHz
Xtal-Osillator
156
172
8bit
Postscalar
8bit
Prescalar
PLL
178
180
4bit
RunCLK
33M
4bit
BurstCLK
66M
182
24.576MHz
174
FIQ
IRQ
SW
CLK
STATE
CLK
POLICY
184
186
CLOCK GENERATOR

FIGURE 5

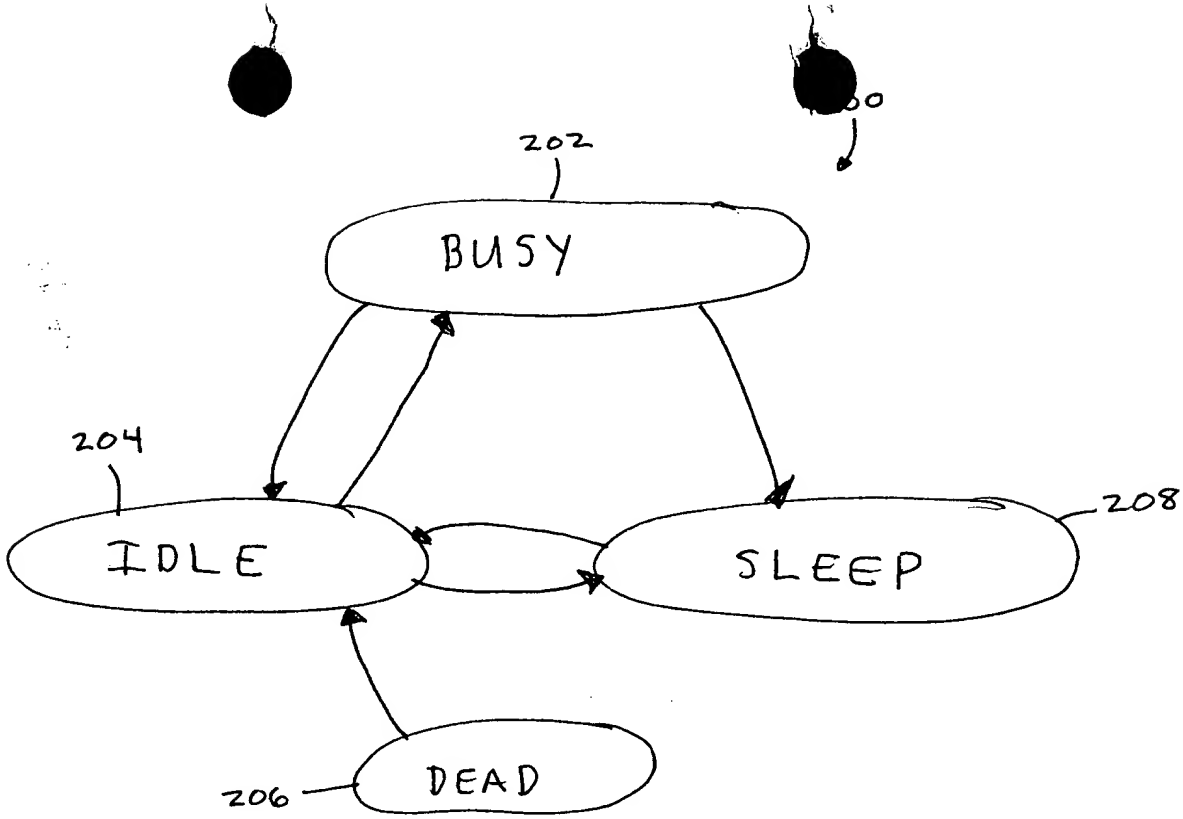

FIGURE 6

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I. PP6001B POWER MANAGEMENT REGISTER DESCRIPTIONS

bit15	bit14	bit13	bit12	bit11	bit10	bit9	bit8	bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0	
MSTK	MNC	SMC	CF	LCD.B	LCD.C	UART	I2C	I2S	SPDIF	AC97	TMR	RTC	C.EXT	C.24M	C.32K	CF00:5000 222
24MHz	24MHz	24MHz	sysclk	sysclk	24MHz	24MHz	24MHz	24MHz	24MHz	sysclk	24MHz	32KHz	SYSCLK	24MHz	32KHz	CF00:5000 222
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	CCH1	CCH0	rsvd	IDE	USB	GPIO	CF00:5004 224
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	sysclk	24/48	sysclk	CF00:5004 224
AUTO	rsvd	rsvd	rsvd	COP.STATE				AUTO	rsvd	rsvd	rsvd	CPU.STATE				CF00:5008 230
COP.FIQ		COP.IRQ		COP.MAIN		COP.IDLE		CPU.FIQ		CPU.IRQ		CPU.MAIN		CPU.IDLE		CF00:500C 232
PLL	X24M	X32K	0	SYS_CLK_SOURCE				BURST_CLK_RATE				RUN_CLK_RATE				CF00:5010 234
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	CF00:5014 226
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	PLL_PRESCALAR_VALUE								CF00:5018
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	PLL_POSTSCALAR_VALUE								CF00:501C 228
FREE_RUNNING_PLL_COUNTER (PNG_LFSR)																CF00:5020
0	0	Z.SWR	Z.WDT	S.SWR	S.WDT	P.SWR	P.WDT	0	0	WDT.E	WDT.X	0	W.SYS	W.COP	W.CPU	CF00:502C
MSTK	MNC	SMC	CF	LCD.B	LCD.C	UART	I2C	I2S	SPDIF	AC97	TMR	0	SYS.R	COP.R	CPU.R	CF00:5030
rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	rsvd	CCH1	CCH0	rsvd	IDE	USB	GPIO	CF00:5034

FIGURE 7